

glutamate-tRNA ligase

Cat. No. EXWM-5648

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of ligases, to be specific those forming carbon-oxygen bonds in aminoacyl-tRNA and related compounds. This enzyme participates in 3 metabolic pathways: glutamate metabolism, porphyrin and chlorophyll metabolism, and aminoacyl-trna biosynthesis.

Synonyms

glutamyl-tRNA synthetase; glutamyl-transfer ribonucleate synthetase; glutamyl-transfer RNA synthetase; glutamyl-transfer ribonucleic acid synthetase; glutamate-tRNA synthetase; glutamic acid transase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.1.1.17

CAS No.

9068-76-2

Reaction

ATP + L-glutamate + tRNAGlu = AMP + diphosphate + L-glutamyl-tRNAGlu

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.